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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bo Pi, et al.

Serial No. : 09/838,707

Filed : April 18, 2001

Title : BACKSIDE ILLUMINATED PHOTODIODE ARRAY

Art Unit : 2822

Examiner : Kiesha L. Rose

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

In response to the action mailed April 8, 2002, please amend the application as follows:

In the claims:

Please amend claims 1-8, 10, 11, 13, 15, 16, 18-21, and 24-28 as follows:

- 1. (Amended) A semiconductor position-sensitive radiation detection device, comprising:
- a substrate formed of a semiconductor material doped to exhibit a first conductivity type and configured to have first and second surfaces opposing each other, the substrate having a bias layer proximate to the first surface and electrically coupled to the substrate, and an array of doped gate regions of a second conductivity type proximate to the second surface; and
 - a grid of conducting wires proximate to and in electrical contact with the bias layer and configured to define an array of pixels corresponding to the array of doped gate regions;
- wherein the grid of conducting wires is configured to be electrically coupled to a voltage source and to distribute a bias voltage on the bias layer so as to bias the substrate with respect to the doped gate regions.

Adjusted date: 02/04/2002
08/16/2002 NHOHAMMI 00000017 09000000
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

August 8, 2002

Signature

Gina Bianchi
GINA BIANCHI

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